

ML quiz 1

mjabir.t, 1811093

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1 Ans

one method i learned is by plotting the Within Cluster Sum of Squares (WCSS), given by

$$wcsc = \sum_{i=1}^k (x_i - c_i)^2 \quad (1)$$

where x_i is the data set and c_i is the centroid. since we need an optimal number of k such that all cluster has one centroid and one cluster has no more than one centroids, we plot this wcss function and check the value of k where it starts to gradually decrease.